

Work Order ID 150260

Wednesday, August 24, 2016 11:33:31 AM

150260

Page 1

Item ID: D412-724-044

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Head Rest Assembly, RH

Start Date: 8/12/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/24/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: **DAS 21 9-89** Date: **AUG 26 2016**

Tooling:

Date:

Run Start

NR1

QC: Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr	DEC 19 2016 DAS 6 9-89							
N/A	Rev N/A								

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

If D412-724-044 is a W/O on it's own, Photocopy bluefile and create labels per
PPP D412-724-044 **CHG001****DAS 28 9-89****JAN 11 2017**

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DEC 19 2016**DAS 6 9-89** **DAS 27 9-89**

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS 28 9-89**JAN 11 2017**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval 	
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Work Order ID 150260***150260***

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Wednesday, August 24, 2016 11:33:31 AM

Item ID: D412-724-044

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Head Rest Assembly, RH

Start Date: 8/12/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/24/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

130

Packaging

Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPP D412-724-044
Location : FG017

PPP 152931

DAS
27
9-89DAS
28
9-89

JAN 11 2017

140

140

QC

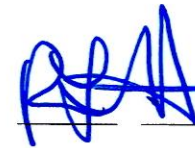
Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.02



JAN 13 2017

DAS
21
9-89

JAN 12 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Wednesday, August 24, 2016 11:33:31 AM

Work Order ID: 150260

150260

Parent Item: D412-724-044

D412-724-044

Parent Item Name: Head Rest Assembly, RH

Start Date: 8/12/2016**Required Date:** 8/24/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A04.09.08New IssueKJ/JLM

[illegible]

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
		OTHER : _____							

Work Order ID 150260***150260***

Page 1

Monday, December 19, 2016 8:33:24 AM

Item ID: D412-724-044**Accept*****N900040100*****Setup Start*****NS1*****Revision ID:****Stop*****NS2*****Item Name:** Head Rest Assembly, RH**Start Date:** 8/12/2016 **Start Qty:** 1.00***1*****Cust Item ID:****Required Date:** 8/24/2016 **Req'd Qty:** 1.00***1*****Customer:****Reference:****Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____**Run Start*****NR1*****QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____**Stop*****NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
N/A	Rev N/A								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	If D412-724-044 is a W/O on it's own, Photocopy bluefile and create labels per PPP D412-724-044 CHG001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DEC 21 9-35

DEC 19 2016

REFERENCE ONLY**3.0 INSTALLATION PROCEDURE****To install a Dart Head Rest Assembly:**

- 3.1 If installed, remove the existing Head Rest Assembly by pulling the quick release pin that attaches it to the seat. Make note of the installation position (if applicable).
- 3.2 Inspect the seat for damage in the vicinity of the Head Rest Assembly. Consult the Aircraft Maintenance Manual for disposition if damage is observed.
- 3.3 If only replacing the Head Rest with the equivalent Dart D3303-041 Head Rest, separate the existing Head Rest from the existing Tube Assembly by undoing 4 screws. Re-assemble D3303-041 Head Rest with existing Tube Assembly by installing 4 screws and tightening to 15-25 in lb.
- 3.4 If only replacing the Tube Assembly with a Dart D3304-041/-043/-044 Tube Assembly, separate the existing Head Rest from the existing Tube Assembly by undoing 4 screws. Re-assemble existing Head Rest with Dart D3304-041/-043/-044 Tube Assembly by installing 4 screws and tightening to 15-25 in lb.
- 3.5 Slide the new or modified Head Rest Assembly into the seat tube and lock in place at the same location that the old Head Rest Assembly was installed (if applicable) using the quick release pin. Ensure pin is properly engaged.

4.0 WEIGHT AND BALANCE

There is negligible weight change associated with the installation of the Dart Head Rests.

5.0 PARTS LIST

QTY -011	QTY -041	QTY -043	QTY -044	Part Number	Description
X				D412-724-011	Dart Replacement Head Rest Kit, for 205/212/412
2	X			D412-724-041	Head Rest Assembly, Center
1		X		D412-724-043	Head Rest Assembly, LH
1			X	D412-724-044	Head Rest Assembly, RH
	1	1	1	D3303-041	Head Rest
	1			D3304-041	Tube Assembly
		1		D3304-043	Tube Assembly
			1	D3304-044	Tube Assembly
	4	4	4	AN525-10R6	Screw